

Zenoir Online Classroom

User's Manual

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System Overview

Zenoir Online Classroom is an E-learning system which is mainly targeted towards teachers and students to implement online learning. The importance of these kinds of software is that it encourages the participation of students in the classroom this is implemented in the sessions module of the system which emulates classroom discussions in the real world.

The system is composed of two modules, the administrator module and the classroom module. The administrator module is mainly used for managing user accounts, courses, subjects and classrooms. The classroom module is mainly used by the teachers and students for their online interactions such as participating in online discussions, submitting assignments, downloading handouts, and sending messages to other users in the classroom.

Tech Stack

Here's a list of some of the technologies, libraries, frameworks and plugins used in the system. You can use them to further customize and improve the system.

Technology

- [HTML5](#) – Page structure
- [CSS3](#) - Styling
- [PHP](#) – Backend stuff
- [JavaScript](#) – Frontend stuff
- [Node.js](#) , [Now.js](#), [Socket.io](#) – for real-time chat
- [MySQL](#) - Database

Framework

- [Code Igniter](#) – Backend handling, MVC

Library

- [jQuery](#) – DOM Manipulation, Event-delegation and other frontend stuff

Plugins

- [Data Tables](#) – for adding sorting, searching, and paging functionality to tables
- [jQuery UI](#) – Calendar, Buttons
- [JScrollPane](#) – for customizing the default scrollbars
- [HTML KickStart](#) – used for most of the UI elements
- [Noty](#) – for the notifications (Eg. Error, Success)
- [Pixel Cone File Uploader](#) – for handling file uploads

Installation

Zenoir Online Classroom was developed in a Windows environment so I would prefer that you install it a computer with a Windows Operating System installed. But this can also be installed in a Linux Operating System like Ubuntu and Linux Mint.

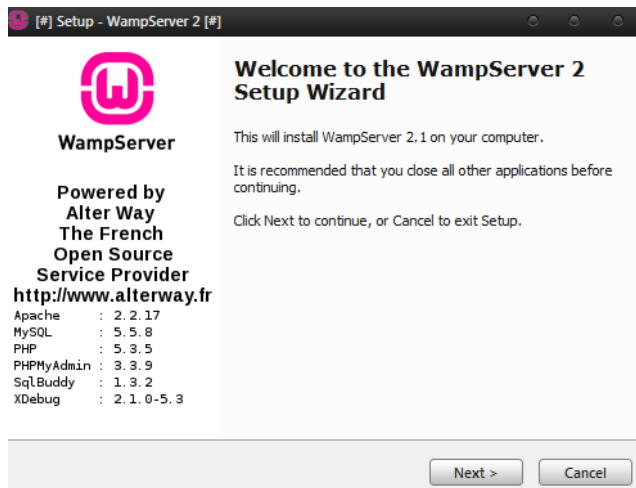
The following are the requirements when you're installing Zenoir on Windows.

- Wampserver 2.1 - <http://www.wampserver.com/en/>
 - MySQL v5.5.8
 - PHP v5.3.5
 - Apache 2.2.17
- Node.js - <http://nodejs.org/#download> – select the Windows installer
- Heidi SQL - <http://www.heidisql.com/>

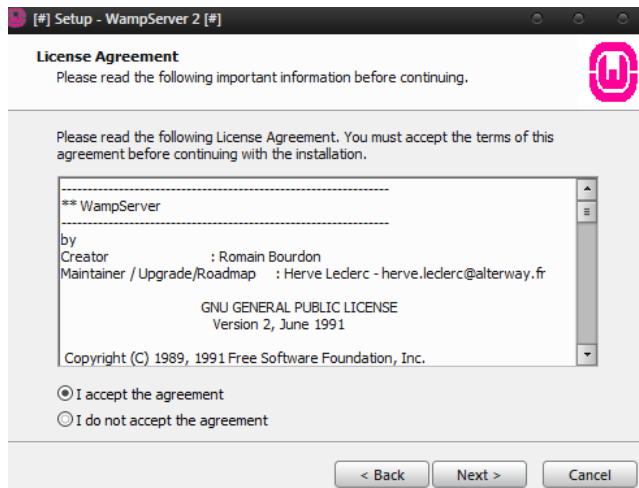
You can also install MySQL, PHP, and Apache separately for better performance.

Installing Wampserver

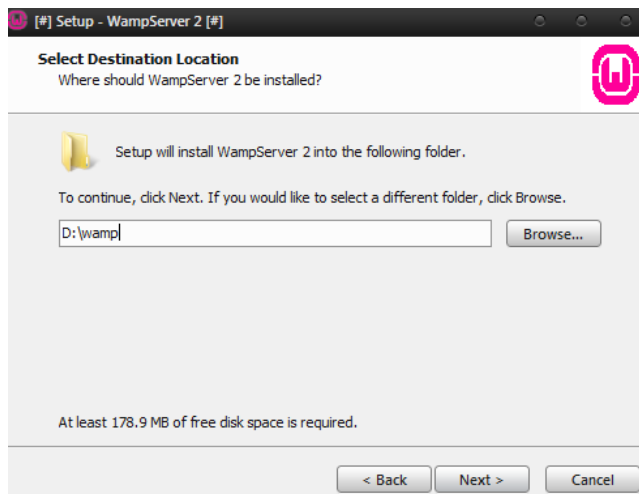
1. Double click on the wampserver installer. Once you see the screen below click on next.



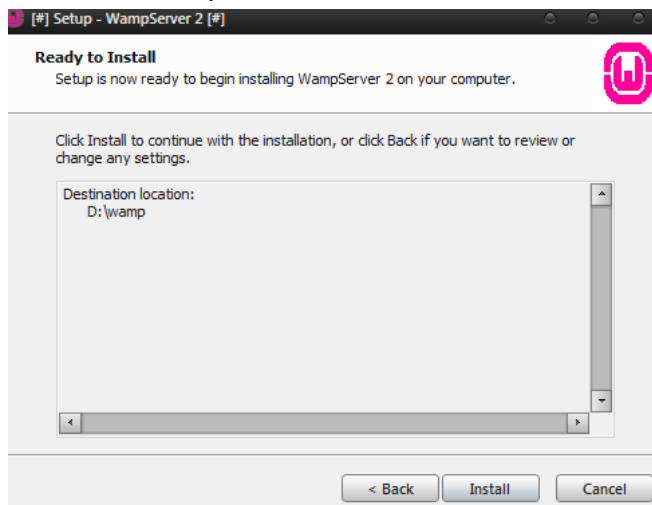
2. Select I accept the agreement then click next



3. Type the following on the location bar:



4. Click next until you see this screen. Then click on install to install the wampserver.



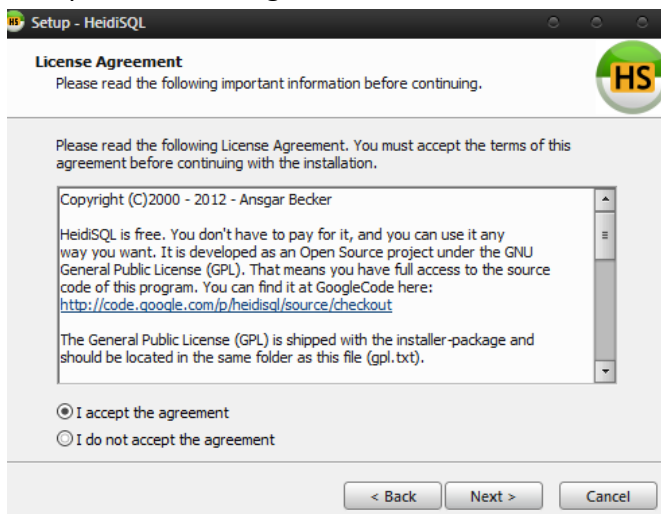
Installing HeidiSQL

HeidiSQL is a free database management application were going to use it to import the database used by the system into the MySQL database server.

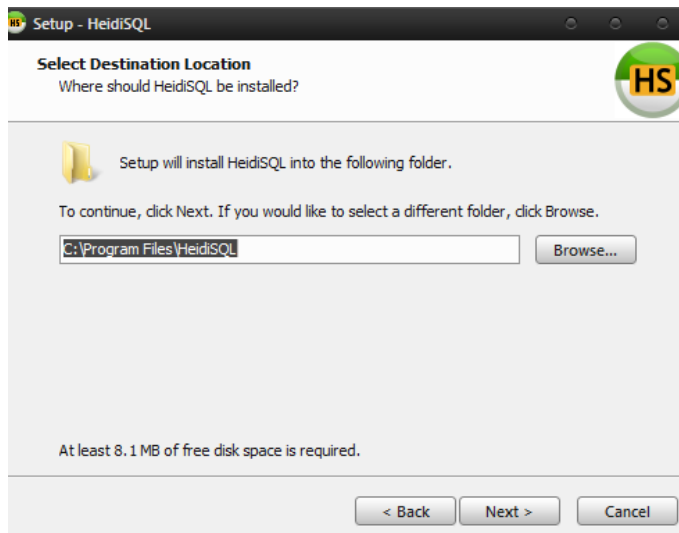
1. Double-click on the HeidiSQL installer. Once you see the screen below click on next.



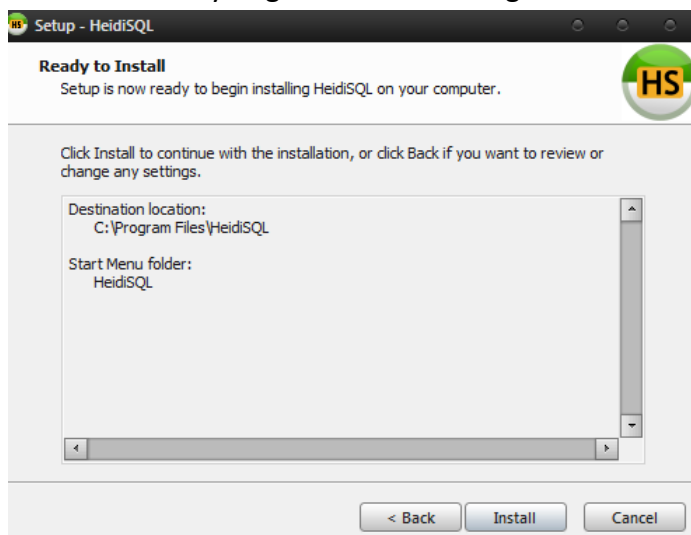
2. Accept the license agreement and click on next.



3. You can make use of the default folder for the installation of programs or browse for a different installation path.



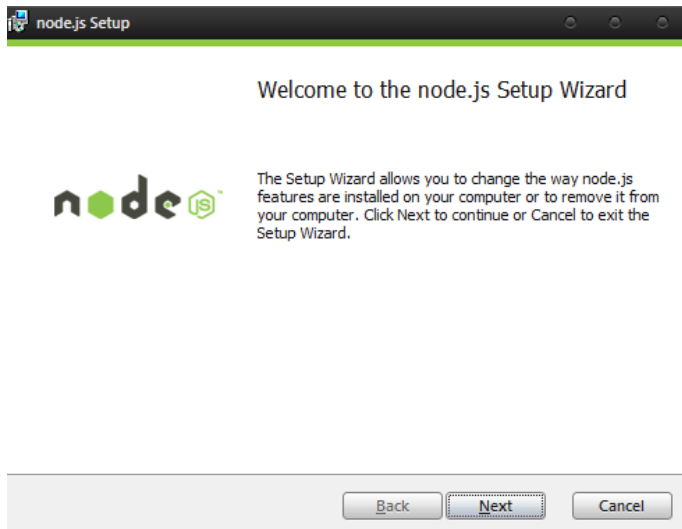
4. Click Next until you get to the following screen and then click install.



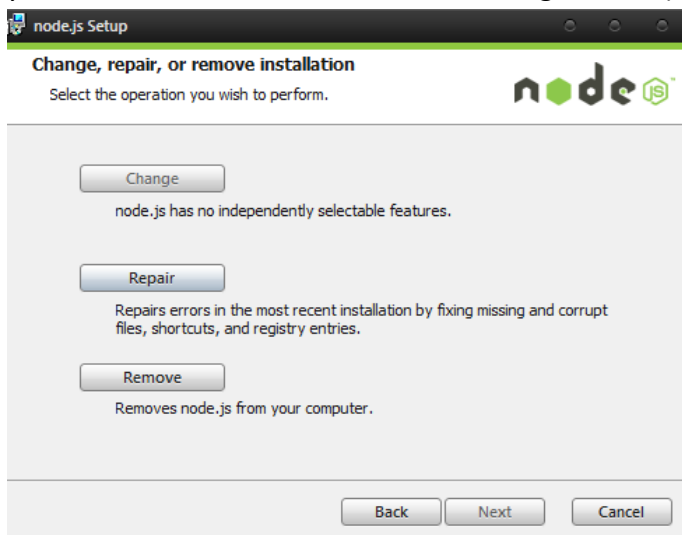
Installing Node.js

Node.js in short terms is JavaScript that runs on the server-side. It's basically responsible for running the back-end of the sessions module.

1. Double-click on the node.js installer



2. Select install (I have already installed node.js before I created this walkthrough so what you can see in the screenshot is the change button) and click next.



3. Click next until you see the screen below then click on Finish.



Installing Visual C++ 2010 Redistributable

I already have visual c++ 2010 redistributable when I created this manual so you will have to do the installation on your own. Just read the instructions given by the installer and click on next.

Installing Node Modules

You also have to install the node modules which includes the following:

- MySQL
- Socket.io
- Now.js

Remember that you have to be connected to the internet when installing since the node package manager will fetch the data from the internet.

Installing MySQL Node Module

All you have to do is to open up a new command line window in the following address:

```
D:\web_files\zenoir\node_server
```

And enter the following command.

```
npm install mysql
```

Installing Socket.IO

Still on the same location enter the following command to install socket.io.

```
npm install socket.io
```

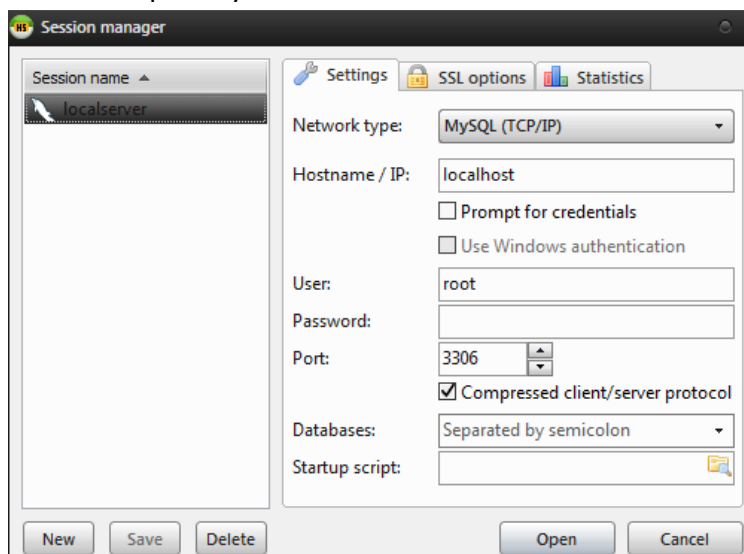
Installing now.js

Now.js is already inside the node_modules folder so you don't have to install it.

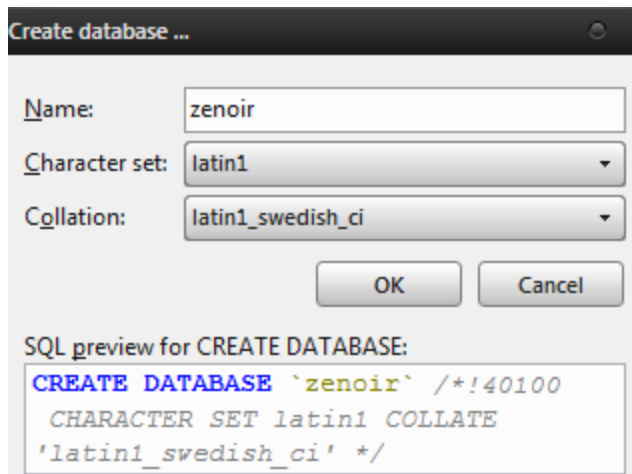
Importing the Database

The database is auto-filled with default data such as the administrator account and module information do not empty the contents of the tables because the default data is used by the system.

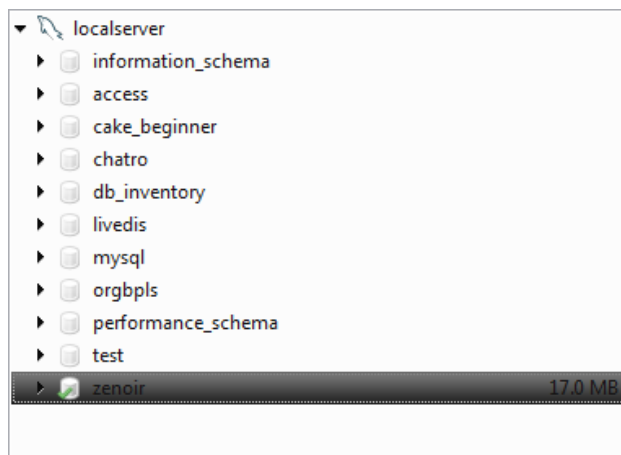
1. Open up HeidiSQL. The following screenshot shows the default values you can go ahead and click Open if you have the same screen as mine.



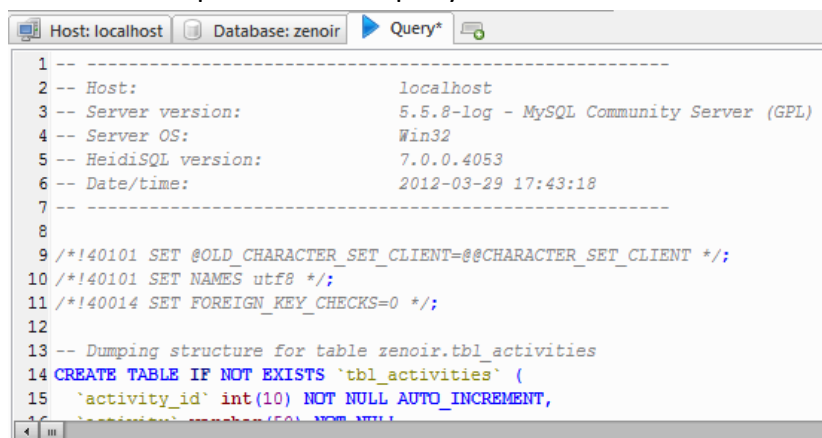
2. Right-click on the localhost, select create new then click on database. This opens up a new window for creating a new database just leave the default values as it is, what's important is that you name the database as zenoir.



3. You now have the database for the Zenoir Online Classroom, click on it to select it



4. Next you have to import the tables and default data on the zenoir database. To do that just open up the **zenoir.sql** file which is stored in the **assets** folder and copy all of its contents then paste it to the query tab.



5. After that just press **F9** on your keyboard to execute the query.

Installing Zenoir

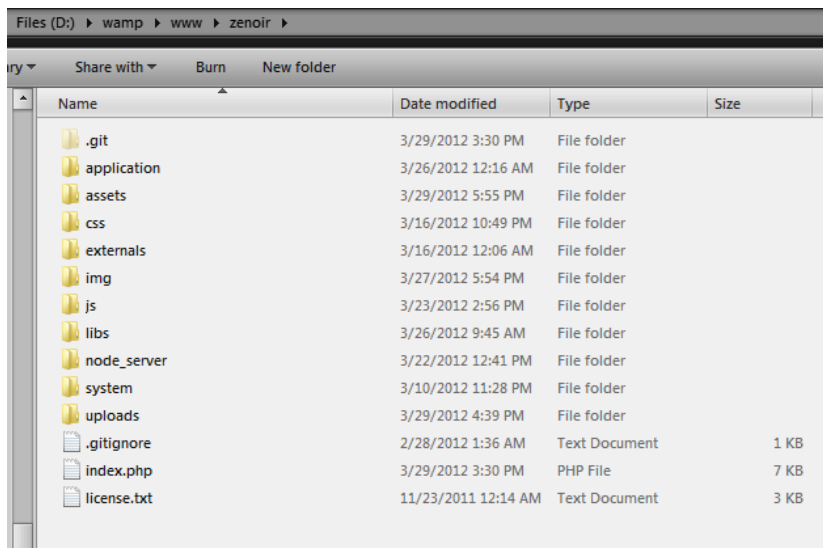
To install something you have to download it first, the Zenoir Online Classroom can be downloaded from its Github page:

<https://github.com/anchetaWern/Zenoir-Online-Classroom>

After downloading extract the files to the following location:

D:\Wamp\www

The directory will look like this on a Windows computer:



The system is now installed on the computer but you still have to configure a few things before we can be sure that it will work perfectly at all times. I'll be showing that to you on the next chapter.

Configuration

You have already installed the system but you still have to configure a few things in order to ensure security.

PHP.ini

This is the file where all the configuration for php is stored you need to change a few things on it to make sure that the system is running on perfect environment.

D:\wamp\bin\php\php5.3.5

All of these are on Megabytes Unit just change it to whatever limit you want for the file upload size.

- post_max_size = 50M
- upload_max_filesize = 20M
- session.auto_start = 1

My.ini

The MySQL database also has a limit when it comes to the size of files that you store on it, I've set mine to 2048 Mb but you can have a lower or higher value it all depends on your preference.

D:\wamp\bin\mysql\mysql5.5.8

- max_allowed_packet = 2048M

Node Server

You also need to configure the node.js server so that the sessions module will work properly. The sessions module relies on node.js, socket.io and now.js to ensure real-time communication between the computers used by the students and the teachers whenever they are in a session.

Access the following location on the file system of the server:

```
D:\wamp\www\zenoir\node_server
```

Open up the nowjs.js file and replace **localhost** with the external ip of the server (ip address which is accessible outside the network). You can determine the external ip by visiting cmyip.com or whatismyip.com. It will look like the example below once it's edited:

```
123.456.789:8081
```

I have set the port to be 8081 by default if you want to configure it you must open up the `multiroom_server.js` then change the port to whatever port you want to use, but be sure that the port that you are going to change it to is not already taken by other applications and services.

```
server.listen(8081);
```

Change the port from the nowjs.js file to be equal to the one that you used in the `multiroom_server.js` file:

```
123.456.789:8081
```

Database Password

I have set the default mysql password as 1234. I suggest that you change the password since it's insecure and easy to guess. To change the password you left-click on the Wampserver tray icon then select MySQL then click on MySQL console, this brings up the console that you can use to manipulate the database. By default there is no password so just press enter when you're prompted for the password. Then type the following commands in order:

```
use mysql  
  
update user set password=PASSWORD(desired_password) WHERE user='root';  
  
flush privileges  
  
quit
```

You just need to replace the `desired_password` with the password that you want.

After that you need to modify the MySQL password in a few places in the system. First is the `multiroom_server.js` file:

```
var client = mysql.createClient({  
  user: 'root',  
  password: 'desired_password',  
});
```

You also need to change a few things on the `database.php` file which can be found in the following location:

```
D:\wamp\www\zenoir\application\config
```

Just replace the `desired_password` with the password that you set earlier on the MySQL console

```
$db['default']['password'] = 'desired_password';
```


Running the System

Wampserver

To run the system all you have to do is to start Wampserver to do that just press the Window button on your keyboard and search for **start wampserver** then click on the result.

Node Server

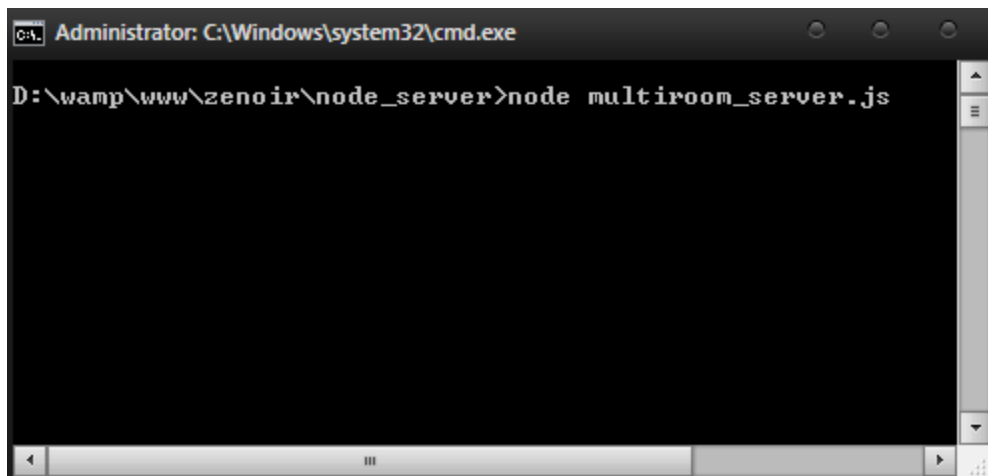
You also need to run the node server which is primarily used for the sessions module. To do that just access the following location:

```
D:\wamp\www\zenoir\node_server
```

And then press shift on your keyboard while you right click on your mouse. This will show additional items on the context menu. Just choose the **open command window here** option. And then enter this command:

```
node multiroom_server.js
```

It will look like this:



Remember not to close the command line because it's running the node.js server which ensures real-time communication between the computers in a session. Closing this would actually render the session module useless.

User Information Import Tool

This tool is used to easily import existing user information into the Zenoir database. All you have to do is to input the database details of the source database (database where you're trying to import from).

The only thing that you need to remember when using this tool is that only users of a specific type can be imported at a time.

This means that you have to run this tool for each user type. If your database stores users of different user types in a single table then this tool can't be use.

The following are the required data:

- **User ID** - input the name of the field in your source database for the user id
- **Fname** - input the name of the field in your source database for the first name
- **Mname**- input the name of the field in your source database for the middle name
- **Mname**- input the name of the field in your source database for the last name
- **User Type** - the following are the possible values for user type:
 - 1 - for administrator
 - 2 - for teachers
 - 3 - for students

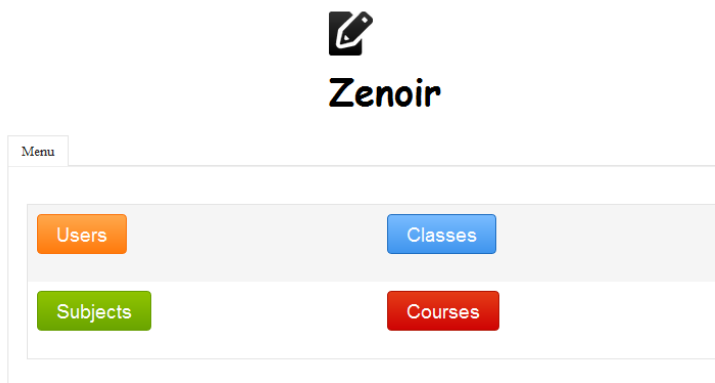
The database import tool can be found on the following location:

zenoir/assets/database_import_tool

Administrator Module


In this section I'll walk you through the administrator module. The administrator module is mainly used for managing user accounts, courses, subjects and classrooms. New user accounts, subjects, courses and classes can only be created in this module. This is also where the system administrator can enable or disable existing classrooms.

Below is a screenshot of the administrator module. Buttons which links to users, subjects, classes and courses are all accessible from the administrator's home page.












Users

Let's first head on to the users. This is where you will find a list of all the people in all the different classrooms.


Zenoir

[Users]
[Create New](#)
Show entries
Search:

User	User Type	View
ABURAME, Shino Natsu	Student	
ANCHETA, Vern Prudencio	Administrator	
ANCHETA, Vern Prudencio	Administrator	
DAMARU, Ami Asakura	Student	
HAL, Core Zal	Teacher	
LANDO, Mario Super	Student	
SHIN, Yui Nagato	Student	
TAIKI, Kudo Toshiro	Student	
YUGO, Karin Neo	Student	

Clicking on the view icon will let you view the activity log for the user that you have selected. Only the activities performed by the students and teachers are being logged by the system so viewing another administrator's log will show nothing.

View User Logs - HAL, Core Zal

Activity	Date	Time
view handout	2012-03-24	1:30:57 AM
view handout	2012-03-24	1:31:04 AM
create assignment	2012-03-24	1:31:23 AM
view assignment	2012-03-24	1:31:31 AM
create quiz	2012-03-24	2:44:08 PM

New users can also be created. An administrator can create a student, teacher, or another administrator. The password for the user is not included since the user id and the password is the same by default the user has to change it on first login.

Create New User

User Type

Student

User ID

Firstname

Middlename

Lastname

Create User

Subjects

This is where you can create and manage subjects. Subjects are just like what they are in the real world; some examples would be Math, Science, Biology, etc. These are the actual subjects being taught by teachers. This will later on be associated with a class that will be created.



Zenoir

[Subjects]

[Create New](#)

Show entries

Search:

Subject Code	Description	Edit	View
DBMS 1	Database Management Systems 1		
ACC 1	Basic Accounting		
COMPRO 2	Computer Programming 2		
IT ELEC 3	IT Elective 3 - ASP.Net		

New subjects can be created by clicking on the [Create New](#) link.

Create New Subject

Subject Code

Eg. COMPRO 1

Description

Eg. Computer Programming 1

Create Subject

Courses

This is where you can create and manage courses. This is a college student specific feature but it is required. If you're using this software for elementary or high school students you can have a course description like Elementary Students or High School Students.



Zenoir

[Courses]

[Create New](#)

Show 10 entries

Search:

Course Code	Description	Edit	View
BSCPE	Computer Engineering		
BSCS	Computer Science		
BSIS	Information Systems		
BSIT	Information Technology		
BSN	Nursing		

Creating new courses is as easy as creating new subjects.

Create New Course

Course Code

Eg. BSCS

Description

Eg. Computer Science

Create Course

Classes

Classes are the actual classes that are being attended by each teacher and student in a real world setting. Teacher A can have a class on biology with the 1st year college BSIT Students, but can also have another class on biology with the 1st year college BSN Students those two are both classes in biology but they're with a different set of people so each of those are considered two different classes.

I guess the example was good enough so let's go back to the system. You can see here the list of existing classrooms. Information such as the class code description, subject and teacher is indicated. You can actually type any search term on the search box, for example if you only want to see classes in Accounting you just need to type Accounting and all the classes in accounting will be listed on the table. Clicking the view icon will allow you to enter the specific classroom but it's strictly for viewing purposes only, you as the administrator can only view things inside the classroom. Participating in classroom activities is possible but is not encouraged since the administrator's role does not cover it.



Zenoir

[Classes]

[Create New](#)

Show entries

Search:

Class Code	Description	Subject	Teacher	View
BLAST/2N	Crow	Database Management Systems 1	HAL, Core Zal	
LROOM2-3	Cool	Basic Accounting	HAL, Core Zal	
SECONDO	BO	IT Elective 3 - ASP.Net	HAL, Core Zal	
VEL/CRO	Dude	Basic Accounting	HAL, Core Zal	
W/D	With Datalist	Database Management Systems 1	HAL, Core Zal	
ZEEK/N-3	Awesome	Computer Programming 2	HAL, Core Zal	

Creating a new class requires subject, teacher, and course information. You actually need to create entries for the subject, teacher and course before creating a new class. The class code is a unique representation of a class. There is a naming convention for class codes which composed of the subject code + slash separator + course code + year. If there are multiple sections in a course then you can also include the specific section to make the class code unique. The start and lock dates is the range of dates when the class will be accessible by both teachers and students. After the lock date the classroom will automatically be disabled, but the teacher can later on request the administrator to enable the classroom so that the students can still continually access it even if the formal class is already over.

Create New Class

Class Code

Class Description

Subject

Teacher

Course/Yr/Section

Start Date

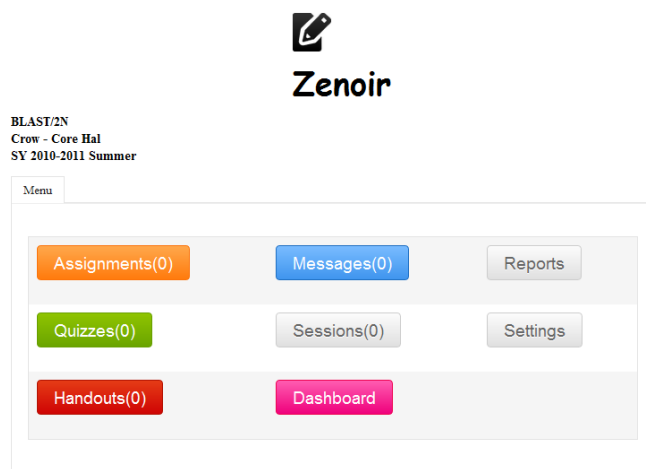
Lock Date

Additional Details

Create Class

Classroom Module

The classroom module is the main meat of the system. This is where the teacher and students can interact with each other in an online environment. Below is a screenshot taken from a student account. Information such as the class code, class description, teacher and additional classroom details can be seen on every page that is under this module.



Dashboard

When you first log in the first thing that you will see is the dashboard or the landing page. This is where you will see a list of class that you can currently access, invites to a particular classroom or group, unread posts from all the classrooms that you are part of, people from all the classes that you have attended, and the previous classes that you have attended. The dashboard is where you can find all the information relevant to your account.


[Dashboard]


Classes	Notifications (0)	People	Unread Posts (0)	Previous Classes
Class Code	Subject	Course		
2012/COMPRO 1/BSIT/1-1 - Computer Programming	Computer Programming 1	Information Technology 1-1		
2012/NETMAN/BSCS/2-3 - Network Management	Network Management	Computer Science 2-3		
2012/COMPFUND1/BSIT/2-3 - Computer Fundamentals	Computer Fundamentals 1	Information Technology 2-3		

Account Update

You can update your account by clicking on the link on the upper-leftmost corner of the screen and that is usually your Firstname + Lastname. Here you can update your password, first name, middle name, last name, email address, and autobiography. The email address that you input here is being used by the system to send you an email notification whenever something is posted in the classroom. An example is that when one of your classmates sends you a message, or the teacher posted a new assignment.

Edit Account Information





Password

Firstname

Middlename

Lastname

Email

Autobiography

I'm the teacher

Assignments


This is where you as the teacher can create new assignments for the students to submit later. In creating new assignments the teacher can also attach files that is related to that particular assignment. The students can submit the assignment as long as the date in the server is less than or equal to the current date.

Create New Assignment

Title
A2

Body
Second Assignment

Deadline
2012-03-26

 Select files

boom.PNG (29.15KB)
Pending...

Create Assignment

You can also view the responses to a particular assignment by clicking on the view response button or view a list of students who did not yet reply to the assignment that you are currently viewing by clicking on the view no response button.

View Assignment - First Assignment

Date: 2012-04-09

Deadline : 2012-04-10 00:00:00

This is your first assignment.


•

View Responses

View No Response

Clicking the View Response button will show a list of the names of the students and the corresponding date and time in which the reply was submitted. The red star indicates that the reply hasn't been read by the teacher yet.

Assignment Replies - A1

Title	Date	Sender	View
A1 Reply *	2012-03-25 00:58:59	ABURAME, Shino	

[Back to Assignment](#)

Clicking the view icon will show the details of the response.

Assignment Response - A1 Reply

Sent by: Shino

Date: 2012-03-25 00:58:59

Here is my awesome reply

[Back to Replies](#)

Existing assignments are all listed.



Zenoir

BLAST/2N
Crow - Core Hal
SY 2010-2011 Summer

[Assignments]

[Create New](#)

Show entries

Search:

Title	Date Created	Deadline	View
A1	2012-03-24	2012-03-25	

On the part of the students they can reply to an assignment by clicking on the view icon this will allow the students to view the assignment. They can just click on the reply button to reply on the assignment. Note that they can only do this if the assignment has not met its deadline yet.

View Assignment - First Assignment

Date: 2012-03-29

Deadline : 2012-04-02

```
This is your first assignment for Computer  
Programming 1 -Java. Define the following:  
1.OOP  
2.Java  
3.System.out.println  
4.Refactoring  
5.JCreator  
6.Netbeans  
7.Classes  
8.Objects
```

Reply

Clicking on the reply button will display a form in which the students can place their reply. The body is automatically filled with the assignment body so that the students won't need to open up another window or application in which they can view the contents of the assignment. They can just delete it later on once they have written the reply. Files can also be attached to a reply. Note that the students can only submit one reply for an assignment. Replies cannot be updated by the students so it's important that they are sure of their answers before submitting.

Reply to Assignment - First Assignment

Title

Body

```
This is your first assignment for Computer Programming 1 -Java. Define the  
following:  
1.OOP  
2.Java  
3.System.out.println  
4.Refactoring  
5.JCreator  
6.Netbeans  
7.Classes  
8.Objects
```

 Select files

Submit Reply

Messages

This is where the students and teachers can interact inside the classroom in a private manner. This is very useful in cases wherein the student has problems which he cannot open to the whole class. The messages can also be used on things that aren't classroom related that is why the activities here aren't logged in the database.

Creating a new message involves selecting the people who will receive the message, the title and body and also the files if there is any. Only people who also belongs to the classroom that you are currently logged in are listed in the select box.

Create New Message

Send To

ABURAME, Shino	▲
YUGO, Karin	
SHIN, Yui	
LANDO, Mario	▼

Title

Body

 [Select files](#)

Send Message

The list of messages are divided into two categories, the inbox where the messages sent to you are listed and the outbox is where the messages that you have sent out to other people are listed. You can view any message by clicking on the view icon.



Zenoir

BLAST/2N
Crow - Core Hal
SY 2010-2011 Summer

[Messages]

[Create New](#)

Inbox

Outbox

Show entries

Search:

Title	To	Date	View
Welcome Students	ABURAME, Shino	2012-03-24 1:32:13 AM	

Each message has a conversation history , the conversation history is where you can see the messages associated with an original message.

Conversation History

Thanks Sir!

From: LAN, Freo
Date: 2012-04-09 10:02:37 AM

I will learn I'm looking forward to awesome things that

Welcome!

From: DEF, ABC
Date: 2012-04-09 9:02:16 AM

Classroom! Welcome to the Java Programming Online

[Back to Message](#)

Reports

The reports is where you can view student-related information such as the autobiography and user activity log.







Zenoir

BLAST/2N
Crow - Core Hal
SY 2010-2011 Summer

[Reports]

Show entries

Search:

ID	Student	View Info
174	ABURAME, Shino Natsu	
Karin	YUGO, Karin Neo	
mario	LANDO, Mario super	
YUI	SHIN, Yui Nagato	

Clicking on the view icon opens up a new model window that allows you to view the students autobiography.

View User Information - ABURAME, Shino Natsu

Cool

View Logs

Clicking the View Logs button shows a list of all the activities performed by the student in the classroom along with the date and time when it was performed. This is very useful if the teacher wants to track what the student is actually doing inside the classroom.

view assignment	2012-03-24	3:47:26 PM
view assignment	2012-03-24	3:47:27 PM
view assignment	2012-03-24	3:47:33 PM
view assignment	2012-03-25	12:57:08 AM
view assignment	2012-03-25	12:57:10 AM
view assignment	2012-03-25	12:57:35 AM
view assignment	2012-03-25	12:57:35 AM
responded to assignment	2012-03-25	12:58:59 AM

Quizzes

This is where you can create quizzes. A quiz can either be a multiple choice type of quiz or an essay type.

A quiz has a start and end time, this is the range of time upon which the student can take the quiz. Accessing the quiz before or after the allotted time isn't allowed by the system. Quizzes should also be taken by the students after opening because it can only be opened once.

Multiple Choice Quiz

In a multiple choice type of quiz you have to input the quiz title, body, start time, and end time.

After entering the general details of the quiz, you have to set the quiz items which are composed of the question, 4 choices, and the letter which refers to the correct answer. First you have to enter the number of items in the quiz and then input the question, the four choices and lastly the answer to the question.

Create New Quiz

Number of Items

1

Who created PHP?

Me

You

Us

Rasmus Lerdorf

D

Create Quiz

Clicking on the Create Quiz button will create the quiz. It will immediately be listed in the table of existing quizzes.



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[Quizzes]

[Create New](#)

Show 10 entries

Search:

Title	Date	Start Time	End Time	View
First Quiz *	2012-03-24	3:00:00 PM	5:00:00 PM	🔍
Quiz 2	2012-03-26	12:00:00 AM	2:00:00 AM	🔍

Essay Quiz

Creating an essay type of quiz is easier since you only have to input the quiz title, body, start time and end time. If there is a supporting file you also have the option to upload it.

Create New Quiz

Quiz Type

With quiz items ☐ Without quiz items ☒

Quiz Title

Body

Start Time

End Time

 [Select files](#)

Create Quiz

Clicking on the view icon shows all the details of the quiz. In a multiple choice type of quiz you have the option to view the scores. In an essay type of quiz you have the option to view the replies for each student. You can also view the students who did not take the quiz yet, and you can also go back to the quiz list.

View Quiz - Third quiz

Date Created: 2012-04-09

Quiz Date: 2012-04-09

Start Time: 12:00:00 AM

End Time: 11:59:00 PM

Let's test if everything is cool

View Replies

View No Quiz

Back to Quiz List

Clicking the View Scores will allow you to view the scores made by each student.



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View Quiz Results - First Quiz

Quiz Date: 2012-03-24

Student	Score
SHIN, Yui	3
ABURAME, Shino	2

Clicking on the view replies list out all the replies of the students in a table.

View Quiz Replies - Third quiz

Title	Time Submitted	Student	View
by gai	2012-04-09 10:36:36 AM	TSU, Gai Gami	
by freo	2012-04-09 10:36:55 AM	LAN, Freo Nerio	
by yon	2012-04-09 10:37:11 AM	ICHI, Yon San	
by shino	2012-04-09 10:39:59 AM	ABURAME, Shino Natsu	

[Back to Quiz](#)

You can also click on the magnifying glass icon to view the details of the reply.

View Quiz Reply - by freo

Quiz: Third quiz

Submitted by: LAN, Freo Nerio

Time submitted: 2012-04-09 10:36:55 AM

boom!

[Back to Quiz Replies](#)

On the part of the students taking the quiz created by the teacher only requires two steps. First the student needs to click on the quiz that he needs to take.

And then answer the questions in the quiz:

Take Quiz - OOP

1) What is OOP

--

A. Object Oriented Programming

B. Over Over Programming

C. Over Oriented Programming

D. Over and Out Programming

2) A basic concept in OOP

--

A. Classes

B. Masses

C. People

D. Neutrons

3) What is Java?

--

A. Rice

B. Ancient People

C. Object oriented programming language

D. I don't know

Submit Answers

After clicking on the Submit Answers button the students will also be prompted if they are sure of their answers, they can just click on the cancel button and review their answers if they're not sure otherwise they click on Ok to submit their answers.

Are you sure of your answers?


Ok

Cancel

Once the answer has been submitted the page will be redirected to the list of quizzes. They can see the link to the quiz that they have taken but they can no longer enter it. The answers and scores to a quiz can also not be viewed by the students.

Handouts

The handouts is where you can post useful resources, links, documents related to the class.



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[Handouts]

[Create New](#)

Show entries

Search:

Title	Date Created	View
H1	2012-03-24	
H2	2012-03-24	

Creating a new handout is simple, you just have to input the title, body and upload some files.

Create New Handout

Title

Body

 [Select files](#)

Create Handout

Once the handout is created the teacher can also view a list of students who did not open a particular handout.

View Handout - 99th handout

Date: 2012-04-19

Yeah

Who did not open?

Clicking on who did not open button will show a list similar to the one below.

Students without handout - 99th handout

ID	Student
174	ABURAME, Shino Natsu
Freo	LAN, Freo Nerio
funk	ICHI, Yon San
Gai	TSU, Gai Gami

Back to Handout

Groups

Groups is a feature of this system that will allow the students and the teachers to create a group composed of any number of people as long as they belong to the same class. Groups can be accessed on the top left portion by clicking on the groups link.

Creating a new group involves giving a name to the group and selecting the members. The only people listed in the select box are the people who belong to the classroom where the user is currently logged in. After selecting the members just click on the create group button to create the group. Remember that only the person who created the group can make changes to it later. Like removing people and adding people to the group.

Create New Group

Group Name

Select Members

HAL, Core

ABURAME, Shino

LAN, Freo


TSU, Gai

Create Group

To update a group just select it from the list of groups where you currently belong and click on the update icon.

Groups

Create New

Group Name	Creator	Update
New Group	LEE, Rock	

Clicking that will show an interface similar to the one below. It allows you to update the name of the group, remove existing members, view pending members, and invite members. To remove a specific member just click on the delete icon. To add a member just select the users that you want to add while pressing ctrl on the keyboard to select multiple users. Then click on the update group button once you're done making the changes.

Update Group





Group Name

Java Group

Current Members

Pending Members

Invite Members

Member ID	Fullname	Remove
174	ABURAME, Shino Natsu	
Freo	LAN, Freo Nerio	
funk	ICHI, Yon San	
Gai	TSU, Gai Gami	

Update Group

The groups only purpose is for grouping people for team sessions. It's necessary that you are already a member of a group before you can participate in a team session.

Sessions

This is the main meat of the classroom module. This is where the teachers and students can interact with each other in real-time. This is merely an emulation of the discussions made in a classroom in the real-world but it encourages participation from each of the students. This will mainly benefit the shy-type students who aren't participating in classroom discussions mainly because they're afraid of raising their hands and are too nervous to answer questions personally.



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[Sessions]

[Masked Session](#) [Class Session](#) [Team Session](#)

Show entries

Search:

Title	Description	Type	Date	Always Open	From	To	Join
Another Valid Team Testing	Yeah	Team	1970-01-01	YES	12:00:00 AM	12:00:00 AM	➔
can join	yes	Team	2012-03-24	NO	12:00:00 AM	11:00:00 PM	➔
Cannot join	ytes	Team	2012-03-23	NO	12:00:00 AM	2:00:00 AM	➔
Masked	Awesome	Class	2012-03-24	NO	12:00:00 AM	7:00:00 PM	➔
Masked Session by Core Hal	Yippee	Class	2012-03-23	YES	12:00:00 AM	12:00:00 AM	➔
team session by core hal	yum	Team	1970-01-01	YES	12:00:00 AM	12:00:00 AM	➔

There are 3 types of sessions:

- Class Session – can only be created by teacher and all members of the class are automatically members of a class session.
- Masked Session – the same with the class session the only difference is that the members have the option to use an alias upon joining the session. This is very useful in cases wherein the topic for the session requires opinions and ideas which aren't very pleasant when the opinion or idea is associated to a real person's name.
- Team Session – members of this session can be selected by the creator of the session.

Creating a new session requires the title, description, accessibility status, and the range of time upon which the session is accessible. If the always accessible checkbox is checked the session will always be accessible, members of the session can post anything anytime because the session never expires members can continuously pour some ideas and opinions. If the always accessible checkbox is not checked then you have to input the time from which the session is accessible and also the time in which it will expire. Expired sessions can still be seen on the list but cannot be entered by anyone anymore.

Create New Masked Session

Title

Description

Always Accessible

☐

Time From

Time To

Create Session

When you are late in entering a session you will not be able to see previous messages that were sent before you joined in the main chat box but you can view it by clicking on the session title which opens up a new modal window which lists all the conversations before you joined the session.

When you enter a session here is what it looks like. The session details are on the upper part just below the classroom details.

DB/2012/CS-2
 Database SY 2012-2013 CS 2 - Core Hal
 SY 2012-2013 First Semester
 Session: [Intro](#)
 From: 2012-03-31 10:00:00 AM
 To: 2012-03-31 11:00:00 AM

Core Hal: has joined the session
Core Hal: Hi Guys! I'm your teacher for this database class. Nice to meet you all, I hope you can all pass this subject
Haku Chrysalis: has joined the session
Haku Chrysalis: Hi guys! I'm Haku Chrysalis from San Juan La Union!
Core Hal: I'm from Tawi-tawi
Rock Lee: has joined the session
Rock Lee: sorry for being late guys! I'm Rock Lee from Konoha!

Clicking on the session title will list all the previous conversations before you joined the session.

Intro

Core Hal : Hi Guys! I'm your teacher for this database class. Nice to meet you all, I hope you can all pass this subject	2012-03-31 10:42:50 AM
Haku Chrysalis : Hi guys! I'm Haku Chrysalis from San Juan La Union!	2012-03-31 10:44:21 AM
Core Hal : I'm from Tawi-tawi	2012-03-31 10:45:43 AM
Rock Lee : sorry for being late guys! I'm Rock Lee from Konoha!	2012-03-31 10:47:35 AM

Settings

This is where you can control the settings in the classroom. You can invite existing students from other classrooms, view pending invites, remove existing students from your class, enable or disable specific modules, enable or disable events for email notifications, and export classroom data to other classes that you also handle.








First on the list is inviting students from other classes. This lists all of the students that are not currently part of the classroom where you are currently logged in.

[Classroom Settings]

Invite Students Pending Remove Students Enable/Disable Modules Email Notifications Export

Show entries

Search:

ID	Student	Invite
Haku	CHRYSLIS, Haku Neo	
ishin	JEBROS, Neron Heron	
kisame	KISAME, Hoshigaki Ryoudo	
Roan	CL, Roan Magenta	
Rock	LEE, Rock Li	
yoroi	ARGON, Ringo Neon	
Yui	CRANE, Nucleus Proton	

Clicking on the add icon will prompt you if you want to invite the student into the class.

Are you sure you want to invite KISAME, Hoshigaki into this class?

Ok

Cancel

Clicking OK does not automatically add the student into the classroom the student has to confirm the invitation first before he can be a member of the class.

Next is the removing of students in the classroom. This is where you can remove students who are currently a member of the class where you are currently logged in. This doesn't require the confirmation of the student. After the teacher has confirmed the action of removing the student from the classroom the student is automatically removed from the classroom. The removed student can still log in to his other classes but not in the classroom where he is removed.

[Classroom Settings]

Invite Students

Pending

Remove Students

Enable/Disable Modules

Email Notifications

Export

Show entries

Search:

ID	Student	Remove
174	ABURAME, Shino Natsu	
Freo	LAN, Freo Nerio	
funk	ICHI, Yon San	
Gai	TSU, Gai Gami	

Showing 1 to 4 of 4 entries

Next is the enabling and disabling specific modules in the classroom. All you need to do here is to check the modules that you want to enable and uncheck the modules that you want to disable. All the modules are enabled by default. Once disabled the students and you as the teacher will not be able to access the module. This is useful in cases wherein you have to limit what the students can do inside the classroom.

[Classroom Settings]

Invite Students

Pending

Remove Students

Enable/Disable Modules

Email Notifications

Export

Module	Description	Enable/Disable
Assignments	This module is used for posting assignments to be answered by students	<input checked="" type="checkbox"/>
Quizzes	This module is used to test the knowledge of the students in a form of a multiple choice quiz, documents can also be uploaded but it won't have the functionality to track the scores	<input checked="" type="checkbox"/>
Handouts	This module is used for giving handouts or resources to students	<input checked="" type="checkbox"/>
Messages	This module is used for sending private messages to one or more member of the class that you're currently in	<input checked="" type="checkbox"/>
Sessions	This module is used for discussion sessions	<input checked="" type="checkbox"/>

Next is the email notification. This is a feature of the system wherein it sends out emails to the concerned users when specific events happen on the system. Here's a list of the events covered by the email notification:

- **Create Assignment** – this event is triggered whenever the teacher creates a new assignment.
- **Send Message** – this event is triggered whenever a user (either a teacher or a student sends out a message).
- **Create Quiz** - this event is triggered whenever the teacher creates a new quiz.
- **Create Handout** - this event is triggered whenever the teacher creates a new handout.
- **Create Session** - this event is triggered whenever a session (either masked, team, or class) is created by a user. For team session, only the members of the group selected by the initiator will receive the email notification. For class and masked session, all the members of the class will receive the email.
- **Respond to Assignment** - this event is triggered whenever a student responds to an assignment.
- **Respond to Quiz** - this event is triggered whenever a student responds to a quiz.
- **Invite to Classroom** - this event is triggered whenever a student is invited by a teacher. Only the student invited by the teacher receives the email notification.
- **Remove from Classroom** - this event is triggered whenever a student is removed by the teacher from the classroom. Only the student removed by the teacher receives the email notification.
- **Reply to Message** - this event is triggered whenever a user replies to a message sent out by another user.
- **Group Invite** - this event is triggered whenever a group leader (can be a student or a teacher) creates a new group. All the invited users receive the email notification.
- **Group Removal** - this event is triggered whenever a group member is removed from the group. Only the removed user receives the email notification.

Email notifications are all enabled by default for each event. You can disable it by going to the Email Notifications tab in the Classroom Settings and uncheck all the events that you want to disable.

[Classroom Settings]

Invite Students	Pending	Remove Students	Enable/Disable Modules	Email Notifications	Export
Event		Enable/Disable			
Create Assignment		<input checked="" type="checkbox"/>			
Send Message		<input checked="" type="checkbox"/>			
Create Quiz		<input checked="" type="checkbox"/>			
Create Handout		<input checked="" type="checkbox"/>			
Create Session		<input checked="" type="checkbox"/>			
Respond to Assignment		<input checked="" type="checkbox"/>			
Respond to Quiz		<input checked="" type="checkbox"/>			
Invite to Classroom		<input checked="" type="checkbox"/>			
Remove from Classroom		<input checked="" type="checkbox"/>			
Reply to Message		<input checked="" type="checkbox"/>			
Group Invite		<input checked="" type="checkbox"/>			
Group Removal		<input checked="" type="checkbox"/>			

Lastly there is the classroom export feature. This is where you can take the data from the classroom where you are currently logged in and transfer it into the other classes that you handle. All you have to do here is to check what you want to export (students, handouts or both) and then select the classroom where you want to export it and then click on the export button.



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[Classroom Settings]

Invite Students	Remove Students	Enable/Disable Modules	Export
What to export?			
Student <input type="checkbox"/> Handout <input type="checkbox"/>			
Export to			
Computer Programming 2			
<input type="button" value="Export"/>			

Troubleshooting

There's no such thing as a perfect system there is almost always a bug that shows up every now and then. In this section I'll be showing you some of the things that you can do when things doesn't work as expected.

Red Star doesn't go away after opening a certain post

- What you can do is to open up the post again

My username doesn't show up in the session

- Logout your account and enter the session again

There was an error in the file upload

- The file upload limit is 10 Mb if the file that you're trying to upload exceeds that size then you will really get an error. I've also written a guide for the programmer to configure these things so if you want a higher file upload size please consult the programmer.

Invalid File type

- There are only specific file types which can be uploaded in the system. Here's a list of the file types which can be uploaded. Of course you can also do steganography or changing the file extension of a specific file to one of these and just change it back after downloading.

- | | |
|------------|--------|
| • gif | • ogg |
| • jpg/jpeg | • webm |
| • png | • html |
| • zip | • htm |
| • avi | • ppt |
| • rar | • pptx |
| • 7z | • doc |
| • mp3 | • docx |
| • pdf | • xls |
| • ogv | • xlsx |
| • mp4 | |

Email Notification is not working

- There are 2 reasons why the email notification won't work considering that the event in which the email notification will be sent is already enabled. First, the computer is not connected to the internet. Second, the server is not configured to accept SMTP requests. The setup for this varies per operating system so just do a quick Google search if you're having troubles making the email notification work.

I can't enter a disabled module

- The system is designed in such a way that if the teacher disables a module from the classroom settings the teacher can't also access that specific module.

Files can't be seen on the post even if the file upload was a success

- The uploads folder might be deleted. Check if there is a folder named upload in the root folder. If there is none then create one.

Can't reply a specific quiz or assignment

- There is a specific time in which an assignment or a quiz can be answered by the students and that is being set by the teacher in the creation of the quiz or assignment. For example if time deadline for the quiz is 8:00 AM, the students are only allowed to access it until 7:59 AM.

Session is already pass it's time but I can still send messages and access it

- The system was not designed to monitor sessions. Once you have entered a session you can stay as long as you wish in the page, the system won't kick you out of the session if the time is up but once you refresh the page or access another page that's the only time that the system will notice that the time is up. I designed it this way thinking that there might still be important things that the teacher and students are discussing beyond the time limit so as long as they don't refresh the page the time limit won't kick in.

In the conversation why can I see the messages of other users that I'm not directly communicating with?

- There is only one reason why this might happen and that is the original message was a group message (a message that is sent to multiple users). All the replies to this message will branch out from a single root that's why you can see other people's messages.

I can't login to my account

- If you are very sure that your user id and password are correct but you still can't login then the only reason that you can't access it is that you didn't logout of the system the last time you opened it. Here's the scenario: once you login the login status becomes equal to 1 if another person knows your username and password and tries to login he won't be able to access the system not until you logout. I've used this design to enforce logging out of the system because if don't logout you will have to suffer the consequence of your account being hacked and visiting your system administrator to enable your account.

I can't update a group

- Only the group creator can update a group. You won't be able to do anything with it unless you're the creator

I can't see the previous messages before I joined the session

- The session is not designed to show previous messages that were sent by the users in the session if you're late in joining the session. If you want to see the previous messages then click on the session name link located above the messages box.

Contact Information

If you have any questions, comments or suggestions regarding this system you can try and reach me on the following places:

- Project Github page - <https://github.com/anchetaWern/Zenoir-Online-Classroom>
- Email – ancheta.wern@gmail.com